

## Recovery Plan Action Status

**Plan Name:** Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon

**Plan Status:** Final

**Plan Date:** 15-Dec-05

**Lead Agency:** USFWS

**Lead Office:** Sacramento Fish And Wildlife Office

(916)  
414-6600 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hoover's spurge ( <i>Chamaesyce hooveri</i> ), Colusa grass ( <i>Neostapfia colusana</i> ), Slender Orcutt grass ( <i>Orcuttia tenuis</i> ), Sacramento Orcutt grass ( <i>Orcuttia viscosa</i> ), Loch Lomond coyote thistle ( <i>Eryngium constancei</i> ), Lake County stonecrop ( <i>Parvisedum leiocarpum</i> ), Solano grass ( <i>Tuctoria mucronata</i> ), Few-flowered navarretia ( <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i> )), Many-flowered navarretia ( <i>Navarretia leucocephala</i> ssp. <i>plieantha</i> )	1	2.5.1.2	Conduct Priority 1 seed collection and banking as identified in Table IV-3.	Planned	FY 2007		Botanical Gardens	Management: Land Use	Internal Field Assistance	Assumes \$15,000 for collection in each region

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Delta green ground beetle ( <i>Elaphrus viridis</i> ), Vernal pool tadpole shrimp ( <i>Lepidurus packardi</i> ), Hoover's spurge ( <i>Chamaesyce hooveri</i> ), Colusa grass ( <i>Neostapfia colusana</i> ), Hairy Orcutt grass ( <i>Orcuttia pilosa</i> ), Longhorn fairy shrimp ( <i>Branchinecta longiantenna</i> ), Fleshy owl's-clover ( <i>Castilleja campestris</i> ssp. <i>succulenta</i> ), Slender Orcutt grass ( <i>Orcuttia tenuis</i> ), Sacramento Orcutt grass ( <i>Orcuttia viscidula</i> ), Conservancy fairy shrimp ( <i>Branchinecta conservatio</i> ), Contra Costa goldfields ( <i>Lasthenia conjugens</i> ), Loch Lomond coyote thistle ( <i>Eryngium constancei</i> ), Butte County meadowfoam ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> ), Lake County stonecrop ( <i>Parvisedum leiocarpum</i> ), Solano grass ( <i>Tuctoria mucronata</i> ), Few-flowered navarretia ( <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i> )), San Joaquin Orcutt grass ( <i>Orcuttia inaequalis</i> ), Vernal pool fairy shrimp ( <i>Branchinecta lynchi</i> ), Many-flowered navarretia	1	3.2.2	Conduct standardized status surveys within each vernal pool region, starting with core areas.	Partially Complete	FY 2008	FY 2012	To be decided	Other	Contract, Species Expert	See 1.3.1-1.3.16 above. Species expert has been funded through CVPHRP to conduct plant surveys in Sacramento and San Joaquin Valleys. Final report will be submitted to FWS in 2012.

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Slender Orcutt grass ( <i>Orcuttia tenuis</i> ), Butte County meadowfoam ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> ), Vernal pool fairy shrimp ( <i>Branchinecta lynchii</i> )	1	5.2.1	Form individual working groups for each vernal pool region.	Ongoing Current			Vernal Pool Recovery Team	Other	Internal Technical Assistance	Assumes compensation to team members to establish working groups. A working group is being established for the Butte/Tehama Counties. A work plan is being drafted for this group. The second group to be established will be in the Merced/Madera Counties area.
Slender Orcutt grass ( <i>Orcuttia tenuis</i> ), Butte County meadowfoam ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> ), Vernal pool fairy shrimp ( <i>Branchinecta lynchii</i> )	3	5.2.2	Develop a participation plan and submit to recovery implementation team for review.	Ongoing Current			U.S. Fish and Wildlife Service, Vernal Pool Recovery Team	Other	Internal Technical Assistance	A plan is being drafted simultaneously with assembling the Butte/Tehama work group. Plan will be finalized after group is established.  Assumes shared staff costs to develop participation plan.
Slender Orcutt grass ( <i>Orcuttia tenuis</i> ), Butte County meadowfoam ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> ), Vernal pool fairy shrimp ( <i>Branchinecta lynchii</i> )	3	5.2.3.1	Identify private landowners interested in pursuing recovery and conservation efforts on their lands and prioritize a list of potential participants.	Ongoing Current			U.S. Fish and Wildlife Service, Vernal Pool Recovery Team	Other, Other: Administration	Internal Technical Assistance	De facto Butte/Tehama working group has discussed how to develop this list and has made tentative suggestions.

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